

Abstract

The object of the present invention is to analyze association relationships between data items and processes being used in an existing system. By analyzing a program or the like, the type and numbers of access instructions to data items in each step of the program is examined (step 13). Then, data item association degree is calculated from the type of access instruction etc., and the values of the association degree are corrected using system requirements etc (step 15 and step 17). Processes having high association degrees are collected together by referencing the corrected values of the association degree (step 21). Based on the groups of collected processes, process division and data item partitioning is performed (step 23). Interfaces between processes are then displayed based on divided processes and partitioned data items (step 25).